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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JUN 02 2010

Bureau of Land Management
Farmington Field Office

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-079363 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name MV-NMNM-78412A DK-NMNM-78412C San Juan 28-6 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name RCVD JUN 14 '10 9. Well Number 182P OIL CONS. DIV. DIST. 3
4. Location of Well Surface: Unit E (SWNW), 1385' FNL & 1020' FWL BHL: Unit C (NENW), 710' FNL, 2240' FWL Surface: Latitude: 36.592114° N (NAD83) Longitude: 107.423852° W Bottomhole: Latitude: 36.594008° N (NAD83) Longitude: 107.419655° W	10. Field, Pool, Wildcat Basin Dakota/Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) Surface: Sec. 12, T27N, R6W API # 30-039-30973
14. Distance in Miles from Nearest Town 36.8 miles from Blanco	12. County Rio Arriba
15. Distance from Proposed Location to Nearest Property or Lease Line 710'	13. State NM
16. Acres in Lease 2560.42	17. Acres Assigned to Well 320.00 (W2) MV/DK
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 71' from San Juan 28-6 Unit 182M (MV/DK)	
19. Proposed Depth 7651' This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6425' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Dollie L. Busse</u> Dollie L. Busse (Staff Regulatory Tech)	Date: <u>May 27, 2010</u>

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

Archaeological Report attached

A gas recovery unit may or may not be used on this location.

Threatened and Endangered Species Report attached

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or presentations as to any matter within its jurisdiction.

Example Master Plan Type 3

Bond Numbers NMB-000015 and NMB-000089

Hold C104

for Directional Survey
and "As Drilled" plat

JUN 2 2 2010

NMOCD

NOTIFY AZTEC OGD 24 HRS.

PRIOR TO CASING & CEMENT

ACTION DOES NOT RELIEVE THE LESSEE AND
OPERATOR FROM OBTAINING ANY OTHER
AUTHORIZATION REQUIRED FOR OPERATIONS
ON FEDERAL AND INDIAN LANDS

RECEIVED

JUN 02 2010

DISTRICT I
1825 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1201 West Grand Avenue, Artesia, N.M. 88210

DISTRICT III
1000 Rio Grande Rd., Aztec, N.M. 87410

DISTRICT IV
1820 S. St. Francis Dr., Santa Fe, NM 87505

Bureau of Land Management
State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2006

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039 - 30973	² Pool Code 71599/72319	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 7462	⁵ Property Name SAN JUAN 28 - 6 UNIT	⁶ Well Number 182P
⁷ Order No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6425'

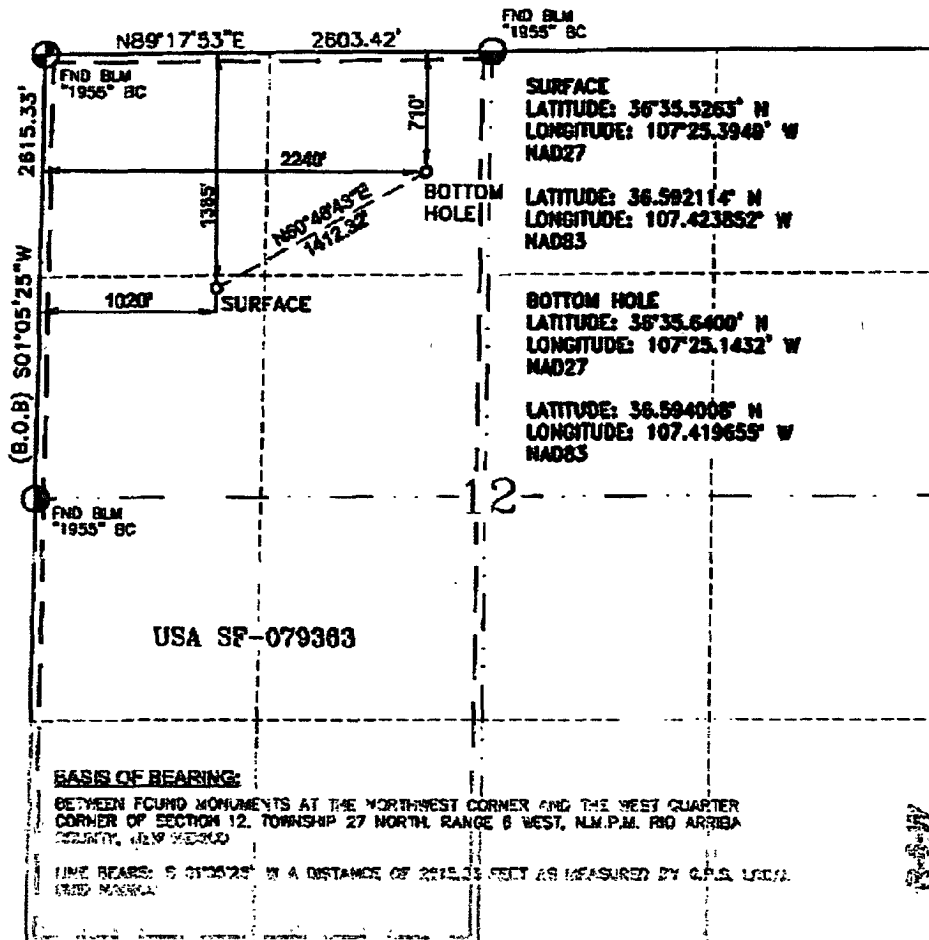
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot No.	Feet from the	North/South line	Feet from the	East/West line	County
E	12	27-N	6-W		1385	NORTH	1020	WEST	RIO ARriba

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot No.	Feet from the	North/South line	Feet from the	East/West line	County
C	12	27-N	6-W		710	NORTH	2240	WEST	RIO ARriba
¹² Dedicated Acres DK 320.00 ACRES W/2 MV 320.00 ACRES W/2			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.		

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



¹⁷ OPERATOR CERTIFICATION.

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this information either gives a working interest or a mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

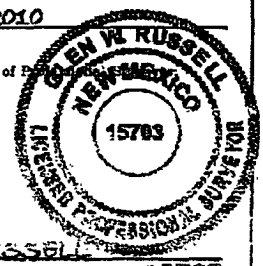
Ethel Tally
Signature
Ethel Tally
Printed Name

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

MARCH 9, 2010
Date of Survey

Signature and Seal of



GLEN W. RUSSELL
Professional Surveyor

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 182P

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9381			AFE \$: 848,324.08	
Field Name: SAN JUAN		Rig: XXX 2011 Holding Rig #1		State: NM	County: RIO ARRIBA	API #:
Geologist:		Phone:		Geophysicist:		Phone:
Geoscientist:		Phone:		Prod. Engineer:		Phone:
Res. Engineer:		Phone:		Proj. Field Lead:		Phone:
Primary Objective (Zones):						
Zone	Zone Name					
FRR	BASIN DAKOTA (PRORATED GAS)					
RON	BLANCO MESAVERDE (PRORATED GAS)					
Location: Surface Datum Code: NAD 27 Directional						
Latitude: 36.592105		Longitude: -107.423249		X:	Y:	Section: 12 Range: 006W
Footage X: 1020 FWL		Footage Y: 1385 FNL		Elevation: 6425 (FT)		Township: 027N
Tolerance:						
Location: Bottom Hole Datum Code: NAD 27 Directional						
Latitude: 36.593999		Longitude: -107.419052		X:	Y:	Section: 12 Range: 006W
Footage X: 2240 FWL		Footage Y: 710 FNL		Elevation: (FT)		Township: 027N
Tolerance:						
Location Type: Restricted		Start Date (Est.): 1/1/2011		Completion Date:		Date In Operation:
Formation Data: Assume KB = 6440 Units = FT						
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6240	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
NACIMIENTO	1077	5363	☐			
OJO ALAMO	2498	3942	☐			
KIRTLAND	2673	3767	☐			
FRUITLAND	2867	3573	☐			Possible Gas
PICTURED CLIFFS	3204	3236	☐			
LEWIS	3330	3110	☐			
HUERFANITO BENTONITE	3866	2574	☐			
Intermediate Casing	3866	2574	☐			111 8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 948 cuft. Circulate cement to surface.
CHACRA	4158	2282	☐			
UPPER CLIFF HOUSE	4759	1681	☐			Gas; Est. Top Perf - 4761 (1679)
MASSIVE CLIFF HOUSE	4862	1578	☐	648		Gas; Cliffhouse is dry
MENEFEE	5006	1434	☐			
POINT LOOKOUT	5381	1059	☐			
MANCOS	5862	578	☐			
UPPER GALLUP	6558	-118	☐			
GREENHORN	7310	-870	☐			
GRANEROS	7374	-934	☐			
TWO WELLS	7402	-962	☐	2332		Gas
PAGUATE	7492	-1052	☐			
UPPER CUBERO	7522	-1082	☐			
LOWER CUBERO	7563	-1123	☐			Est. Btm Perf - 7636 (- 1196) based on offset wells

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 28-6 UNIT 182P

DEVELOPMENT

OAK CANYON	7634	-1194	☐	
Total Depth	7651	-1211	☐	194 6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 517 cuft. Circulate cement a minimum of 100' inside the previous casing string.
ENCINAL	7651	-1211	☐	TD - T/ENCN

Reference Wells:

Reference Type	Well Name	Comments
Production	SJ 28-6 Unit 158E	27N 6W 11 NW SE NE
Production	SJ 28-6 Unit 182M	27N 6W 12 SW NW
Production	SJ 28-6 Unit 166	27N 6W 1 NE SW SW
Production	SJ 28-6 Unit 161	27N 6W 12 NE SW NE

Logging Program:

Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

Cased Hole GR / CBL

Mudlog from 100' above top of GLLP to TD - mudlogger will call TD.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-6 #182P
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6440.0ft (AWS RIGS)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6440.0ft (AWS RIGS)
Site:	San Juan 27 Wells	North Reference:	True
Well:	SJ 28-6 #182P	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
4,504.6	4,158.0	Chacra		0.00		
7,868.6	7,522.0	Upper Cubero		0.00		
5,208.6	4,862.0	Massive Cliff House		0.00		
7,909.6	7,563.0	Lower Cubero		0.00		
7,997.6	7,651.0	Encinal - Total Depth		0.00		
4,212.6	3,866.0	Huerfano Bentonite		0.00		
7,656.6	7,310.0	Greenhorn		0.00		
6,208.6	5,862.0	Mancos		0.00		
7,980.6	7,634.0	Oak Canyon		0.00		
3,536.5	3,204.0	Picture Cliffs		0.00		
2,716.5	2,498.0	Ojo Alamo		0.00		
3,161.3	2,867.0	Fruitland		0.00		
7,838.6	7,492.0	Paguate		0.00		
5,105.6	4,759.0	Upper Cliff House		0.00		
5,727.6	5,381.0	Point Lookout		0.00		
3,669.3	3,330.0	Lewis		0.00		
1,086.1	1,077.0	Nacimiento		0.00		
7,748.6	7,402.0	Two Wells		0.00		
2,928.1	2,673.0	Kirtland		0.00		
6,904.6	6,558.0	Upper Gallup		0.00		
5,352.6	5,006.0	Menefee		0.00		
7,720.6	7,374.0	Graneros		0.00		

REFERENCE INFORMATION

RKB @ 6440.0ft (AWS RIGS)
Ground Elevation 6425.0
Reference Lat: 36° 35' 31.578 N
Reference Long: 107° 25' 23.694 W

Project: San Juan Basin - New Mexico Well

Site: San Juan 27 Wells

Well: SJ 28-6 #182P

Wellbore: Principal Wellbore

Design: Plan #1

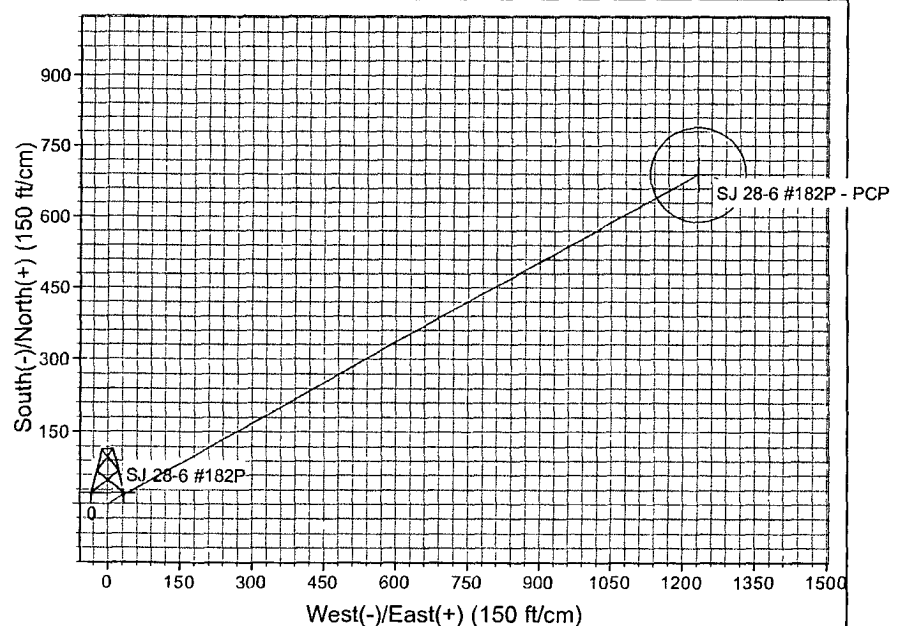
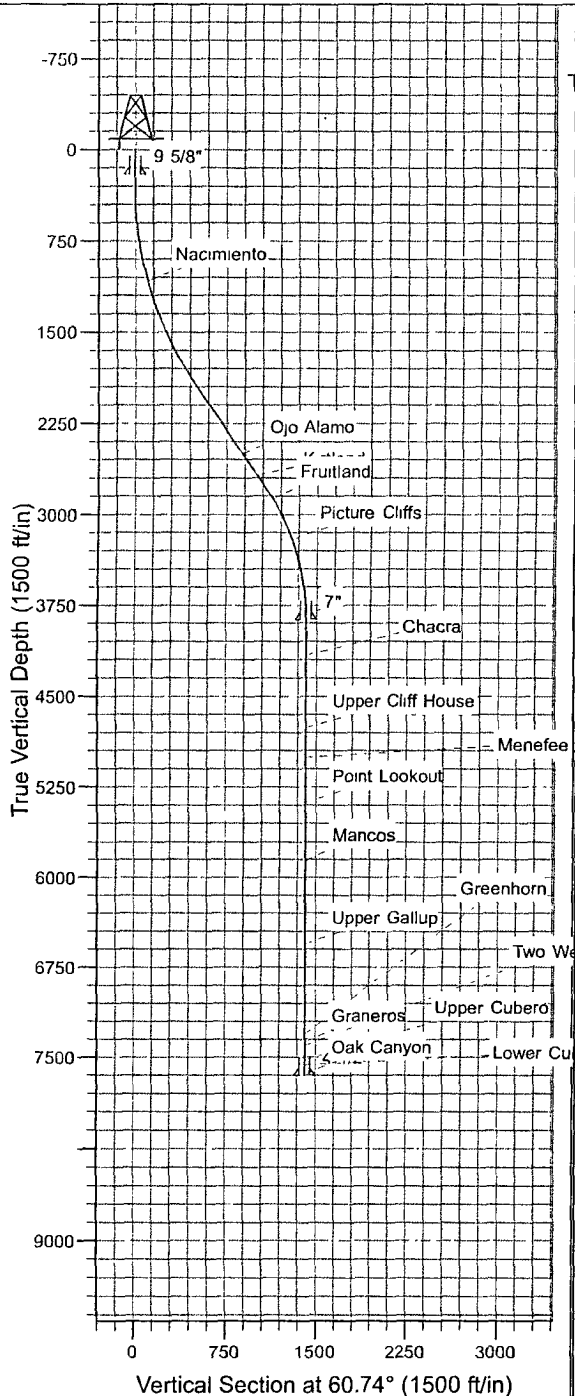
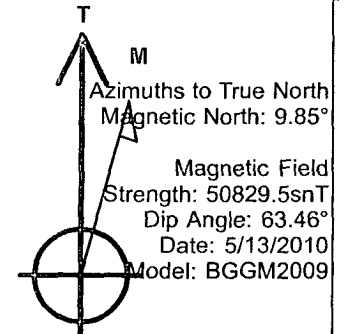
ConocoPhillips

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.0	
3	2030.1	34.20	60.74	1930.4	242.1	432.2	2.00	60.74	495.5	
4	3072.5	34.20	60.74	2792.4	528.5	943.4	0.00	0.00	1081.4	
5	4212.6	0.00	0.00	3866.0	689.9	1231.6	3.00	180.00	1411.7	SJ 28-6 #182P - ICP
6	7997.6	0.00	0.00	7651.0	689.9	1231.6	0.00	0.00	1411.7	SJ 28-6 #182P - PCP

FORMATION TOP DETAILS

VDP	MD	Formation
1077.0	1086.1	Nacimiento
2498.0	2716.5	Ojo Alamo
2673.0	2928.1	Kirtland
2867.0	3161.3	Fruitland
3204.0	3536.5	Picture Cliffs
3330.0	3669.3	Lewis
3866.0	4212.6	Huerfano Bentonite
4158.0	4504.6	Chacra
4759.0	5105.6	Upper Cliff House
4862.0	5208.6	Massive Cliff House
5006.0	5352.6	Menefee
5381.0	5727.6	Point Lookout
5862.0	6208.6	Mancos
6558.0	6904.6	Upper Gallup
7310.0	7656.6	Greenhorn
7374.0	7720.6	Graneros
7402.0	7748.6	Two Wells
7492.0	7838.6	Paguate
7522.0	7868.6	Upper Cubero
7563.0	7909.6	Lower Cubero
7634.0	7980.6	Oak Canyon
7651.0	7997.6	Encinal - Total Depth



Directions from the Post Office
in Blanco, NM
to
Burlington Resources Oil & Gas Company LP
SAN JUAN 28-6 UNIT 182P
1385' FNL & 1020' FWL,
Section 12, T27N, R6W, N.M.P.M., Rio Arriba County,
New Mexico
Latitude: 36° 35' 31.610" N
Longitude: 107° 25' 25.867" W
Nad 1983

Take Highway 64 East for 27.6 miles
turn right (southerly) on General American for 1.1 miles,
stay right @ y-intersection (southerly) on General American 5.5 miles,
turn right (southwesterly) for 0.4 miles,
turn right (westerly) for 1.5 miles,
turn left (southerly) 0.3 miles,
turn right (southwesterly) 0.4 miles to newly staked location
twinning on existing well pad, SAN JUAN 28-6 UNIT #182M.